

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|-----------------|------------------|---------|------------------|
| S1 | 1 | ("6489300").PN. | USPAT; USOCR | OR | OFF | 2006/02/03 14:40 |
| S2 | 79 | mass adj label | USPAT | OR | OFF | 2006/02/03 14:40 |
| S3 | 2 | S2 and ((modified adj substrate) same enzyme) | USPAT | OR | OFF | 2006/02/03 15:08 |
| S4 | 29 | S2 and ((product) same enzyme) | USPAT | OR | OFF | 2006/02/03 15:42 |
| S5 | 9875 | (enzyme same substrate) and ((modified adj3 substrate) or product) and (fluorescence ad3 (anistropy or polarization)) | USPAT | OR | OFF | 2006/02/03 15:43 |
| S6 | 7998 | (enzyme with substrate) and ((modified adj3 substrate) or product) and (fluorescence ad3 (anistropy or polarization)) | USPAT | OR | OFF | 2006/02/03 15:43 |
| S7 | 2650 | ((enzyme with substrate) same ((modified adj3 substrate) or product)) and (fluorescence ad3 (anistropy or polarization)) | USPAT | OR | OFF | 2006/02/03 15:44 |
| S8 | 599 | ((enzyme with substrate) same ((modified adj3 substrate) or product)) same (fluorescence ad3 (anistropy or polarization)) | USPAT | OR | OFF | 2006/02/03 15:44 |
| S9 | 1008 | ((enzyme with substrate) and (((modified adj3 substrate) or product)) with (fluorescence ad3 (anistropy or polarization))) | USPAT | OR | OFF | 2006/02/03 15:45 |
| S10 | 243 | ((enzyme with substrate) and (((modified adj3 substrate) or (enzyme with product))) with (fluorescence ad3 (anistropy or polarization))) | USPAT | OR | OFF | 2006/02/03 15:48 |
| S11 | 1 | S10 and (mass adj label) | USPAT | OR | OFF | 2006/02/03 15:46 |
| S12 | 181 | S10 and (detect\$ with enzyme) | USPAT | OR | OFF | 2006/02/03 15:49 |
| S13 | 148 | S10 and (detect\$ with enzyme) and (detect\$ with (product or (modified adj substrate))) | USPAT | OR | OFF | 2006/02/03 15:50 |
| S14 | 121 | S10 and (detect\$ with enzyme) with (detect\$ with (product or (modified adj substrate))) | USPAT | OR | OFF | 2006/02/03 15:52 |
| S15 | 66 | S14 and (particle or bead) | USPAT | OR | OFF | 2006/02/03 15:52 |
| S16 | 67 | S14 and (particle or bead or microparticle or nanoparticle) | USPAT | OR | OFF | 2006/02/03 16:14 |
| S17 | 8 | S16 and rotational | USPAT | OR | OFF | 2006/02/03 15:54 |
| S18 | 3 | S16 and (fluorescence adj label) | USPAT | OR | OFF | 2006/02/03 16:14 |
| S19 | 16 | S16 and (fluorescent adj label) | USPAT | OR | OFF | 2006/02/03 17:35 |

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| S20 | 1 | ("6410255").PN. | USPAT; USOCR | OR | OFF | 2006/02/03 18:44 |
| S21 | 1 | ("re33581").PN. | USPAT; USOCR | OR | OFF | 2006/02/03 18:44 |
| S28 | 14 | ((enzyme with substrate) and (((modified adj3 substrate) or (enzyme with product))) same (fluorescence adj3 (anistropy or polarization))) | USPAT | OR | OFF | 2006/02/03 20:00 |
| S29 | 64 | (polycation with (particle or bead or microparticle)) | USPAT | OR | OFF | 2006/02/03 20:01 |
| S30 | 5 | (polycation with (particle or bead or microparticle)) and (polarization or anisotropy or (mass adj spectrometry)) | USPAT | OR | OFF | 2006/02/03 20:04 |
| S31 | 1 | (polycation with (particle or bead or microparticle)) with ((increase or increasing) with (mass or size)) | USPAT | OR | OFF | 2006/02/03 20:05 |
| S32 | 1 | ("6689565").PN. | USPAT; USOCR | OR | OFF | 2006/02/03 20:07 |
| S33 | 0 | polycation with (mass adj (label or labelling)) | USPAT | OR | OFF | 2006/02/03 20:08 |
| S34 | 0 | polycation same (mass adj (label or labelling)) | USPAT | OR | OFF | 2006/02/03 20:08 |
| S35 | 0 | polycation same (mass adj (label or labelling)) | US-PGPUB; USPAT | OR | ON | 2006/02/03 20:08 |
| S36 | 70 | ion same (mass adj (label or labelling)) | US-PGPUB; USPAT | OR | ON | 2006/02/03 20:08 |
| S37 | 34 | ion with (mass adj (label or labelling)) | US-PGPUB; USPAT | OR | ON | 2006/02/03 20:17 |
| S38 | 115 | (particle or bead or microparticle or microbead) with (membrane adj fragment) | US-PGPUB; USPAT | OR | ON | 2006/02/03 21:06 |
| S39 | 20 | (particle or bead or microparticle or microbead) with (membrane adj fragment) with receptors | US-PGPUB; USPAT | OR | ON | 2006/02/03 21:11 |
| S40 | 25 | (particle or bead or microparticle or microbead) with (membrane adj fragment) with ligand | US-PGPUB; USPAT | OR | ON | 2006/02/03 21:11 |
| S41 | 25 | S40 not S35 | US-PGPUB; USPAT | OR | ON | 2006/02/03 21:21 |
| S42 | 1 | ("6582916").PN. | USPAT; USOCR | OR | OFF | 2006/02/05 14:44 |
| S43 | 35 | agglutination and (couple with (particles or beads)) | USPAT | OR | OFF | 2006/02/05 14:47 |
| S44 | 2 | agglutination and (couple with (two) with (particles or beads)) | USPAT | OR | OFF | 2006/02/05 14:48 |

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| S45 | 0 | agglutination and (couple with (plurality) with (particles or beads)) | USPAT | OR | OFF | 2006/02/05 14:48 |
| S46 | 23 | agglutinat\$ with plurality with (particles or beads) | USPAT | OR | OFF | 2006/02/05 14:57 |
| S47 | 1 | ("5286452").PN. | USPAT; USOCR | OR | OFF | 2006/02/05 16:13 |
| S48 | 202 | agglutination and (avidin with (bead or particle)) | USPAT | OR | ON | 2006/02/05 16:14 |
| S49 | 34 | agglutinat\$ with (avidin with (bead or particle)) | USPAT | OR | ON | 2006/02/05 16:41 |
| S50 | 5 | S49 and (polarization or anisotropy) | USPAT | OR | ON | 2006/02/05 16:41 |
| S51 | 31 | agglutinat\$ with (biotin with (bead or particle)) | USPAT | OR | ON | 2006/02/05 16:29 |
| S52 | 2 | S51 and (polarization or anisotropy) | USPAT | OR | ON | 2006/02/05 16:29 |
| S53 | 18 | agglutinat\$ with (streptavidin with (bead or particle)) | USPAT | OR | ON | 2006/02/05 16:29 |
| S54 | 0 | S53 and (polarization or anisotropy) | USPAT | OR | ON | 2006/02/05 16:37 |
| S55 | 1 | ("5196351").PN. | USPAT; USOCR | OR | OFF | 2006/02/05 16:37 |
| S56 | 11 | aggregat\$ with (avidin with (bead or particle)) | USPAT | OR | ON | 2006/02/05 16:46 |
| S57 | 1 | S56 and (polarization or anisotropy) | USPAT | OR | ON | 2006/02/05 16:44 |
| S58 | 6 | aggregat\$ with (biotin with (bead or particle)) | USPAT | OR | ON | 2006/02/05 16:44 |
| S59 | 13 | aggregat\$ with (streptavidin with (bead or particle)) | USPAT | OR | ON | 2006/02/05 16:44 |
| S60 | 1 | S59 and (polarization or anisotropy) | USPAT | OR | ON | 2006/02/05 16:46 |
| S61 | 48 | agglutin\$ same (avidin with (bead or particle)) | USPAT | OR | ON | 2006/02/05 16:49 |
| S62 | 9 | S61 and (polarization or anisotropy) | USPAT | OR | ON | 2006/02/05 16:49 |
| S63 | 4 | S62 not S50 | USPAT | OR | ON | 2006/02/05 16:46 |
| S64 | 48 | agglutin\$ same (biotin with (bead or particle)) | USPAT | OR | ON | 2006/02/05 16:50 |
| S65 | 4 | S64 and (polarization or anisotropy) | USPAT | OR | ON | 2006/02/05 16:50 |
| S66 | 2 | S65 not S52 | USPAT | OR | ON | 2006/02/05 16:49 |
| S67 | 38 | agglutin\$ same (streptavidin with (bead or particle)) | USPAT | OR | ON | 2006/02/05 16:50 |
| S68 | 2 | S67 and (polarization or anisotropy) | USPAT | OR | ON | 2006/02/05 16:56 |
| S69 | 1 | ("5168057").PN. | USPAT; USOCR | OR | OFF | 2006/02/05 17:15 |
| S70 | 31938 | lactate dehydrogenase with assay] | USPAT | OR | OFF | 2006/02/05 17:15 |
| S71 | 32627 | lactate dehydrogenase with assay | USPAT | OR | OFF | 2006/02/05 17:15 |

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|-----|------|--|-------|----|-----|------------------|
| S72 | 423 | (lactate adj dehydrogenase) with assay | USPAT | OR | OFF | 2006/02/05 17:15 |
| S73 | 49 | S72 and (agglutination) | USPAT | OR | OFF | 2006/02/05 17:16 |
| S74 | 1 | S73 and (polarization or anisotropy) | USPAT | OR | OFF | 2006/02/05 17:17 |
| S75 | 83 | ((lactate adj dehydrogenase) with detection) | USPAT | OR | OFF | 2006/02/05 17:18 |
| S76 | 38 | (detect with (lactate adj dehydrogenase)) | USPAT | OR | OFF | 2006/02/05 17:18 |
| S77 | 0 | (lactate adj dehydrogenase) with (multiple adj binding adj sites) | USPAT | OR | OFF | 2006/02/05 17:19 |
| S78 | 6 | (ldh) with (multiple adj binding adj sites) | USPAT | OR | OFF | 2006/02/05 17:19 |
| S79 | 7 | enzyme with (multiple adj binding adj sites) | USPAT | OR | OFF | 2006/02/05 17:43 |
| S80 | 83 | enzyme with polyvalent | USPAT | OR | OFF | 2006/02/05 17:44 |
| S81 | 25 | S80 and (detect\$ with enzyme) | USPAT | OR | ON | 2006/02/05 17:44 |
| S82 | 109 | enzyme with polyvalent | USPAT | OR | ON | 2006/02/05 17:49 |
| S83 | 27 | S82 and (detect\$ with enzyme) | USPAT | OR | ON | 2006/02/05 17:49 |
| S84 | 25 | S83 and substrate | USPAT | OR | ON | 2006/02/05 17:49 |
| S85 | 107 | enzyme with multivalent | USPAT | OR | ON | 2006/02/05 17:49 |
| S86 | 40 | S85 and (detect\$ with enzyme) | USPAT | OR | ON | 2006/02/05 17:49 |
| S87 | 40 | S86 and substrate | USPAT | OR | ON | 2006/02/05 17:49 |
| S88 | 24 | S86 and (enzyme adj substrate) | USPAT | OR | ON | 2006/02/05 17:53 |
| S89 | 197 | detect\$ with (lactate adj dehydrogenase) | USPAT | OR | ON | 2006/02/05 17:54 |
| S90 | 74 | S89 and nad | USPAT | OR | ON | 2006/02/05 17:53 |
| S91 | 36 | detect\$ with (lactate adj dehydrogenase) with nad | USPAT | OR | ON | 2006/02/05 17:58 |
| S92 | 103 | agglutination and ((amplification or amplify) with (bead or particle)) | USPAT | OR | ON | 2006/02/05 17:58 |
| S93 | 22 | agglutination and ((amplification or amplify) with (bead or particle) with (avidin or biotin or antibody)) | USPAT | OR | ON | 2006/02/05 18:11 |
| S94 | 1 | second adj mass adj label | USPAT | OR | ON | 2006/02/05 18:15 |
| S95 | 0 | enzymes with (plurality with (binding adj sites)) with substrate | USPAT | OR | ON | 2006/02/05 18:16 |
| S96 | 0 | enzyme with (plurality with (binding adj sites)) with substrate | USPAT | OR | ON | 2006/02/05 18:16 |
| S97 | 1 | enzyme with (plurality with (binding adj sites)) same substrate | USPAT | OR | ON | 2006/02/05 18:21 |
| S98 | 7515 | cross-link\$ with (beads or particles) | USPAT | OR | ON | 2006/02/05 18:22 |
| S99 | 270 | S98 and (polarization or anisotropy) | USPAT | OR | ON | 2006/02/05 18:22 |